

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A helium 3 refrigerator-utilizing a magnetic property measurement system comprising:

a helium 3 refrigerator provided with a sample rod having a sample fixed thereon and a main pipe having the sample rod inserted therein and forming in a circumference of the sample rod a space for effecting cooling with helium 3; and

a magnetic property measurement system provided with a tubular body for permitting insertion of the helium 3 refrigerator therein and a cooling means disposed on an outer periphery of the tubular body and operated with helium 4 and further provided with a superconducting magnet, a magnetic field forming means, a temperature adjusting means and a magnetic field adjusting means,

wherein the main pipe is formed, sequentially from top to bottom, of an upper supporting tube, a condensing tube, a lower inner tube and an outer tube adapted to form an insulated vacuum chamber between the outer tube and the lower inner tube that seals the vacuum chamber through forming of the outer tube,

wherein the upper supporting tube and the lower inner tube are connected to each other through the condensing tube, and

wherein the lower inner tube is formed of titanium.

Claim 2 (Original): A helium 3 refrigerator-utilizing magnetic property measurement system according to claim 1, wherein the outer tube is formed of copper.

Claim 3 (Original): A helium 3 refrigerator-utilizing magnetic property measurement system according to claim 1 or claim 2, wherein the condensing tube is formed of copper.

Claim 4 (Previously Presented): A helium 3 refrigerator-utilizing magnetic property measurement system according to claim 1, wherein the upper supporting tube is formed of stainless steel.

Claim 5 (Previously Presented): A helium 3 refrigerator-utilizing magnetic property measurement system according to claim 2, wherein the upper supporting tube is formed of stainless steel.

Claim 6 (Previously Presented): A helium 3 refrigerator-utilizing magnetic property measurement system according to claim 3, wherein the upper supporting tube is formed of stainless steel.

Claim 7 (Previously Presented): A helium 3 refrigerator-utilizing magnetic property measurement system according to claim 1, wherein the outer tube and the lower inner tube are connected to each other via a lower part of the condensing tube with a certain gap.

Claim 8 (Previously Presented): A helium 3 refrigerator-utilizing magnetic property measurement system according to claim 1, wherein a connecting tube is mounted on an underside of the condensing tube and the outer tube and the lower inner tube are connected to each other via the connecting tube with a certain gap.